

ABSTRACT

Title: CODING AND DECODING BY ITERATIVE FUNCTION SYSTEMS (IFS) WITH OSCILLATING COLLAGE FUNCTIONS AND A SPATIAL COLLAGE FUNCTION

The invention concerns an image-coding method using iterated function systems (IFS), said method comprising the following steps: partitioning an image I to be coded into a set of image regions, called destination regions; associating with each of said destination regions D a corresponding source region S and a collage function w such that w(S) is a good approximation of said destination region D; said collage function being broken down into: a spatial collage function w_s , acting on the position and/or the geometry of said source region S; so as to produce a decimated source region S; and a mass collage function w_M , acting on the contents of said decimated source region S, said mass collage function w_M being an oscillating function.